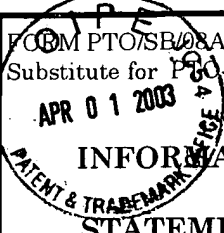


<div style="text-align: center;">  <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p> </div>	Attorney Docket Number	45464/GSL/E87
	Application Number	09/991,199
	Filing Date	November 16, 2001
	Applicant(s)	Mark A. Swart
	Group Art Unit	2829
	Examiner Name	Tung X. Nguyen

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
TN		US 3,629,702	12/21/1971	Henken
TN		US 4,836,797	06/06/1989	Riechelmann
TN		US 5,506,510	04/09/1996	Blumenau

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EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
TN		GB 2267970 A	12/22/1993	Northern Telecom	
TN		EP 0773445 A	05/14/1997	Okano Hightech	

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
TN		DEGROAT, P. M., ET AL., "Finding Shorts in Printed Circuit Boards," IBM Technical Disclosure Bulletin, Vol. 12, No. 5, October 1969, pp. 655-656.

EXAMINER SIGNATURE		DATE CONSIDERED	11/11/03
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Substitute for PTO-1449A/B

APR 01 2003

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number 45464/GSL/E87

Application Number 09/991,199

Filing Date November 16, 2001

Applicant(s) Mark A. Swart

Group Art Unit 2829

Examiner Name Tung X. Nguyen

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² . (If known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
TS		US 4,970,461	11/13/1990	LePage
		US 5,017,863	05/21/1991	Mellitz
		US 5,113,133	05/12/1992	Conti et al.
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		US 5,268,645	12/07/1993	Prokoff et al.
		US 5,270,643	12/14/1993	Richardson et al.
		US 5,369,431	11/29/1994	Levy et al.
		US 5,469,064	11/21/1995	Kerschner et al.
		US 5,493,236	02/20/1996	Ishii et al.
		US 5,508,627	04/16/1996	Patterson
		US 5,587,664	12/24/1996	Banitt et al.
		US 5,729,146	03/17/1998	Swart
		US 5,771,144	06/23/1998	Kim
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TS	2	JP 58-27784 U	02/22/1983		

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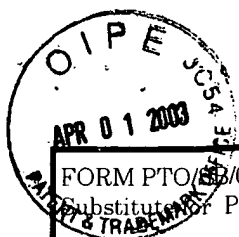
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<p>FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B</p> <p>APR 01 2003</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>	Attorney Docket Number	45464/GSL/E87
	Application Number	09/991,199
	Filing Date	November 16, 2001
	Applicant(s)	Mark A. Swart
	Group Art Unit	2829
	Examiner Name	Tung X. Nguyen

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EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
<i>JS</i>	7	EP 0128107 A1	12/12/1984	Optrotech Ltd.	
<i>JS</i>	8	JP 60-46470 A	03/13/1985	Optrotech Ltd.	Abstract
<i>JS</i>	1	GB 2149130 A	06/05/1985	International Computers Limited	
<i>JS</i>	2	JP 61-274278 A	12/04/1986	NEC Corp.	Abstract
<i>JS</i>	3	JP 62-285072 A	12/10/1987	Hitachi Ltd.	Abstract
<i>JS</i>	4	JP 63-90173 U	06/11/1988	OK Print Inc.	Abstract
<i>JS</i>	5	JP 63-157675 U	10/17/1988	NEC	Abstract
<i>JS</i>	6	JP 2-2946 A	01/08/1990	Kyoei Seigyo Kiki K.K.	Abstract
<i>JS</i>	7	JP 2-13862 A	01/18/1990	Fujitsu Inc.	Abstract
<i>JS</i>	8	JP 2-130483 A	05/18/1990	Teru Tohoku K.K.	Abstract
<i>JS</i>	9	EP 0424270 A2, A3	04/24/1991	Digital Equipment Corporation	
<i>JS</i>	10	JP 3-152481 A	06/28/1991	NEC Corp.	Abstract
<i>JS</i>	11	JP 3-206983 A	09/10/1991	Digital Equipment Corporation	Abstract
<i>JS</i>	12	JP 4-259862 A	09/16/1992	Fujitsu Ltd.	Abstract
<i>JS</i>	13	JP 4-46217 Y2	10/29/1992	Hioki Electric Corp.	Abstract
<i>JS</i>	14	JP 4-127576 U	11/20/1992		
<i>JS</i>	15	JP 5-273305 A	10/22/1993	Tescon Corp.	Abstract
<i>JS</i>	16	GB 2265224 A	09/22/1993	Centalic Technology Development Ltd.	
<i>JS</i>	17	JP 6-11498 Y2	03/23/1994	NEC	Abstract

EXAMINER SIGNATURE	<i>[Signature]</i>	DATE CONSIDERED	11/11/03
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Substitute for PTO-1449A/B

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09/991,199

Filing Date

November 16, 2001

Applicant(s)

Mark A. Swart

Group Art Unit

2829

Examiner Name

Tung X. Nguyen

FOREIGN PATENT DOCUMENTS

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<i>TM</i>	.	JP 7-83954 A	03/31/1995	Toshiba Corp.	Abstract
<i>TM</i>	.	JP 7-92227 A	04/07/1995	Toyota Motor Corp.	Abstract
<i>TM</i>	.	JP 7-151834 A	06/16/1995	Hewlett-Packard Company	Abstract
<i>TM</i>	.	JP 8-15361 A	01/19/1996	Matsushita Electric Works Ltd.	Abstract
<i>TM</i>	.	JP 8-189939 A	07/23/1996	Iwaki Electron Corp. Ltd.	Abstract
<i>TM</i>	.	WO 96/26446 A1	08/29/1996	Aesop, Inc.	
<i>TM</i>	.	EP 0731360 A2, A3	09/11/1996	Plessey Semiconductors Limited	

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<i>TM</i>		Japanese Patent Abstract: Publication No. 02-259478, Publication Date October 22, 1990; 2 pages

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FORM PTO-1449

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Attorney Docket Number	45464/GSL/E87
Application Number	09/991,199
Filing Date	November 16, 2001
Applicant(s)	Mark A. Swart
Group Art Unit	Not Assigned
Examiner Name	Not Assigned

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EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TV	19730516	01/1999	Germany			Abstract	

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	Application Number	Not Assigned
	Filing Date	Herewith
	Applicant(s)	Mark A. Swart
	Group Art Unit	Not Assigned
	Examiner Name	Not Assigned

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,629,702	12/1971	Henken	324	73AT	
	4,836,797	06/1989	Riechelmann	439	264	
	5,506,510	04/1996	Blumenau	324	754	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
PC	61274278A	12/1986	Japan			Abstract	
PC	62285072A	12/1987	Japan			Abstract	
PC	2130483A	05/1990	Japan			Abstract	
PC	3152481A	06/1991	Japan			Abstract	
PC	4259862A	09/1992	Japan			Abstract	
PC	2267970	12/1993	United Kingdom				
PC	07083954A	03/1995	Japan			Abstract	
PC	07092227A	04/1995	Japan			Abstract	
PC	08015361A	01/1996	Japan			Abstract	
PC	773445	05/1997	European Patent Office				
PC	19730516A1	01/1999	Germany				X

OTHER DOCUMENTS	
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	DeGroat et al., "Finding Shorts in Printed Circuit Boards", IBM Technical Disclosure Bulletin, Vol. 12, No. 5, 10/1969, pp. 655-656

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